

APPENDIX

Legacy Microstation J Standards

HIGHWAY DIVISION CADD DRAWING LEVELS
FOR GEOGRAPHICAL DRAWINGS

<u>LEVEL</u>	<u>DESCRIPTION</u>	<u>WT</u>	<u>LC</u>	<u>COLOR</u>
1	Baseline element & symbol (Cadastral Section)	4 2	0 0	4 (yellow) 4 (yellow)
2	Alternate baseline element & symbol (Cadastral section)	4 2	0 0	12 (lt. mustard) 12 (lt. mustard)
3	Text	4	0	0 (white)
4	Exist. Highway structures	2	2	19 (aqua)
5	New Highway structures	4	0	19 (aqua)
6	Exist. edge of pavement & shoulders	2	2	2 (green)
7	New edge of pavement & shldr.	4	0	0 (white)
8	Exist. curb/gutter/sidewalk	2	2	2 (green)
9	New curb/gutter/sidewalk	4	0	0 (white)
10	ICS, TDP point I.D. nos.			
11	Misc. symbols & annotation			
12	Cut/Fill slopes	2	0	8 (tan)
13	Topographic ground shots	2	2	8 (tan)
14	Misc. exist. structures	2	2	9 (med. green)
	Misc. new structures	4	0	9 (med. green)
15	Pavement Reconstruction Limits	4	0	0 (white)
	Pavement Reconstruction Hatching	1	0	0 (white)
	Cold Planing Limits	4	0	0 (white)
	Cold Planing Cross-Hatching	1	0	0 (white)
16	Construction Parcel	6	6	6 (orange)
17	Access Control	6	*	1 (blue)

NOTE:

* Element is a cell

**Color is the same as Type of Easement (i.e. Drain easement is same color as drain)

HIGHWAY DIVISION CADD DRAWING LEVELS
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<u>LEVEL</u>	<u>DESCRIPTION</u>	<u>WT</u>	<u>LC</u>	<u>COLOR</u>
18	Cadastral Section Text			
19	Exist. Easements	4	5	**
20	Original Land Court, Property Lines, and Subdivision	0	0	2 (green)
	Original Grants, Land Commision Awards and Royal Patents	0	6	3 (red)
21	Final Land Ct., Property Lines, Subdivisions and Remnants	2	0	2 (green)
	Final Grants, Land Commision Awards and Royal Patents	2	6	3 (red)
22	Exist. Right-of-Way (Contract Plans)	4	6	1 (blue)
	Exist. Right-of-Way (Cadastral Section)	8	0	1 (blue)
23	Traverse	0	2	0 (white)
24	New Right-of-Way (Contract Plans)	4	6	1 (blue)
	New Right-of-Way (Cadastral Section)	12	0	1 (blue)
	New Easements (Cadastral Section)	8	5	1 (blue)
25	Triangles & border for TDP			
26	"			
27	"			

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<u>LEVEL</u>	<u>DESCRIPTION</u>	<u>WT</u>	<u>LC</u>	<u>COLOR</u>
28	"			
29	"			
30	Contours for TDP			
31	Contours for TDP			
32	"			
33	"			
34	"			
35	Text For Utility Symbols			
36	Water (exist.)	2	4	16 (very lt. blue)
	Water (new)	4	4	16 (very lt. blue)
37	Electric (exist.)	2	4	24 (orange)
	Electric (new)	4	4	24 (orange)
38	Telephone (exist.)	2	4	22 (lt. mustard)
	Telephone (new)	4	4	22 (lt. mustard)
39	Sewer (exist.)	2	4	23 (blue)
	Sewer (new)	4	4	23 (blue)
40	Gas (exist.)	2	4	8 (tan)
	Gas (new)	4	4	8 (tan)
	Misc. utilities (exist.)	2	4	15 (lt. purple)
	Misc. utilities (new)	4	4	15 (lt. purple)
41	Drain (exist.)	2	2	13 (lt. yellow)
42	Drain (new)	4	0	13 (lt. yellow)
43	Sprinkler system (exist.)	2	2	16 (very lt. blue)
	Sprinkler system (new)	4	2	16 (very lt. blue)

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FOR GEOGRAPHICAL DRAWINGS

<u>LEVEL</u>	<u>DESCRIPTION</u>	<u>WT</u>	<u>LC</u>	<u>COLOR</u>
44	Landscaping (exist.)	2	2	10 (chartreuse)
	Landscaping (new)	4	2	10 "
45	Fence (exist)	2	7	7 (gray)
	Fence (new)	4	7	7 "
46	Boundary Points	2	*	0 (white)
47	Guardrails (exist.)	2	3	25 (lt. pink)
48	unused			
49	Topographic Water Shots (streams, lakes, ocean, etc.)	2	2	16 (very lt. blue)
50	Users level			
51	Point Elevations			
52	Cadastral State Plane Grids	0	0	6 (orange)
53	Cadastral Geodetic Grids	0	0	3 (red)
54	Guardrails (new)	4	0	25 (lt. pink)
55	Pavement marking (exist.)	2	0	4 (yellow)
	Pavement marking (new)	4	0	4 (yellow)
56	Traffic signs (exist.)	2	0	21 (white)
	Traffic signs (new)	4	0	21 (white)
57	Traffic signal (exist.)	2	2	20 (flesh)
	Traffic signal (new)	4	0	20 (flesh)
58	Highway lighting (exist.)	2	2	3 (red)
	Highway lighting (new)	4	0	3 (red)
59	Traffic control			

NOTE:

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HIGHWAY DIVISION CADD DRAWING LEVELS
FOR GEOGRAPHICAL DRAWINGS

<u>LEVEL</u>	<u>DESCRIPTION</u>	<u>WT</u>	<u>LC</u>	<u>COLOR</u>
60	Border sheet			
61	As-built postings	4	0	29 (hot pink)
62	Half-Size Label Ticks For Half-Size Plots			
63	SAVE - DO NOT USE			

NOTE:

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CADD LINE WEIGHTS, LINSTYLE, COLOR AND LEVELS
FOR CONTRACT PLANS: PLAN TYPE DRAWINGS

<u>DESCRIPTION</u>	<u>WEIGHT</u>	<u>LINSTYLE</u>	<u>COLOR</u>	<u>LEVEL</u>
Existing Features	2 ***	2 *	****	****
Planned Construction Features (New Work)	4	0	"	"
Existing Utilities	2	4 *	"	"
New Utilities	4	4 *	"	"
Contours				
Existing (Minor/Major)	0/2	5	"	"
New	4	0	"	"
Right of Way Line	5	6*	"	"
Property Line	4	6*	"	"
Easements	7	5	"	"
Baseline or Station Line of Highway	4	0	"	"
Centerline for Highway	4	0	"	"
Dimension Line	2	0	0	3
Break Line	2	0	0	3
Section Line **	6	0	0	3
Match Line **	6	0	0	3

NOTE :

- * Linestyle Modified With Pentable.
- ** Element is a cell
- *** Existing Features for Structural Plans are Weight=0.
- **** The Symbology and Level for Plan Drawings will follow the Highways Division CADD Drawing Levels For Geographical Drawings

CADD LINE WEIGHTS, LINESTYLE, COLOR AND LEVELS
FOR CONTRACT PLANS: DETAIL TYPE DRAWINGS

<u>DESCRIPTION</u>	<u>WEIGHT</u>	<u>LINESTYLE</u>	<u>COLOR</u>	<u>LEVEL</u>
Existing Features	2	2 *	2	1
Planned Construction Features (New Work)	4	0	0	2
Existing Utilities	2	4 *	2	1
New Utilities	4	4 *	0	2
Right Of Way Line **	5	0	0	2
Baseline or Station Line of Hwy. **	5	0	0	2
Centerline for Highway **	5	0	0	2
Dimension and Leader Lines	2	0	0	3
Break Line	2	0	0	3
Centerline for Detail **	1	0	0	3
Section Line **	5	0	0	3
Cross Section Plans				
Existing Ground	3	2 *	2	1
New Grade	5	0	0	2
Profile and/or Elevation Plans				
Existing Ground	3	2 *	2	1
New Grade	5	0	0	2

NOTE :

- * Linestyle Modified With Pentable.
- ** Element is a cell

CADD LINE WEIGHTs, LInestyle, COLOR AND LEVELS
FOR CONTRACT PLANS: STRUCTURAL TYPE DRAWINGS

<u>DESCRIPTION</u>	<u>WEIGHT</u>	<u>LInestyle</u>	<u>COLOR</u>	<u>LEVEL</u>
Concrete				
Existing	0	0	30	40
Hidden	4	2	2	22
New	4	0	2	21
Metal				
Existing	0	0	45	40
Hidden	4	2	17	24
New	4	0	17	23
Wood				
Existing	0	0	12	40
Hidden	4	2	6	28
New	4	0	6	27
Grade				
Existing	0	3	13	40
Hidden	2	2	2	30
New	2	0	2	29
Reinforcing				
Existing	3	3	49	40
Hidden	8	5	4	26
New	8	0	4	25
Concrete Joints	5	0	14	33
Dimension and Leader Lines	1	0	0	3
Break Line	1	0	0	3
Centerline for Detail				
3/8" Long Dash	1	4	51	3
1" Long Dash	1	4	0	3
5" Long Dash	1	4	50	3
Section Line	6	0	0	3

NOTE :

- * Linestyle Modified With Pentable.
- ** Element is a cell

HIGHWAYS DIVISION COLOR TABLE

<u>NUMBER</u>	<u>COLOR</u>	<u>RED</u>	<u>GRN</u>	<u>BLUE</u>
0	white	205	205	205
1	blue	20	150	255
2	green	0	255	0
3	red	255	0	0
4	yellow	255	255	0
5	flesh	235	185	185
6	orange	255	110	50
7	gray	150	150	150
8	tan	185	135	85
9	medium green	85	185	85
10	chartreuse	185	255	85
11	light pink	255	155	185
12	light mustard	255	200	100
13	light yellow	235	255	145
14	hot pink	255	35	185
15	light purple	175	175	255
16	very light blue	180	255	255
17	dark pink	205	50	150
18	very light pink	255	215	255
19	aqua	0	245	170
20	flesh	235	185	185
21	white	205	205	205

HIGHWAYS DIVISION COLOR TABLE

<u>NUMBER</u>	<u>COLOR</u>	<u>RED</u>	<u>GRN</u>	<u>BLUE</u>
22	light mustard	255	200	100
23	blue	20	150	255
24	orange	255	110	50
25	light pink	255	155	185
26	dark pink	205	50	150
27	very light pink	255	215	255
28	aqua	0	245	170
29	hot pink	255	35	185
Highlight	bright white	255	255	255

For Contract Plan Drawings, **DO NOT** use colors 14 & 29. These colors will be reserved for posting as-built drawings.

The following color pairs are the same colors:

- 0 & 21 ----white
- 1 & 23 ----blue
- 5 & 20 ----flesh
- 6 & 24 ----orange
- 11 & 25 ----light pink
- 14 & 29 ----hot pink
- 17 & 26 ----dark pink
- 18 & 27 ----very light pink
- 19 & 28 ----aqua